



# 2020 WATER QUALITY REPORT

A regional publication on the source, treatment and distribution of water provided by Des Moines Water Works.

**W**ater is critically important to the health of our community and Des Moines Water Works plays a key role in providing **WATER YOU CAN TRUST FOR LIFE**. Supplying approximately 500,000 Central Iowans with safe, affordable and abundant drinking water is Des Moines Water Works' mission.

As a regional water utility, we responsibly invest in maintenance and upgrades to critical infrastructure that supports or supplies water to the residents of Des Moines and surrounding communities. Whether it is quenching your thirst on a hot summer day, proper handwashing to curb the spread of viruses, or the main ingredient to the Des Moines craft brew you love, Des Moines Water Works provides the "Liquid Asset" for Central Iowa to thrive.

In order to ensure drinking water is safe, the Environmental Protection Agency (EPA) prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. This Consumer Confidence Report summarizes information regarding water sources used, any detected contaminants, compliance and educational information.

**Des Moines**  
**Water Works**

Water You Can Trust for Life

# WHERE DOES YOUR WATER COME FROM?

The Raccoon and Des Moines Rivers are used to provide drinking water to more than 500,000 central Iowans. Upstream land use practices – agricultural and urban – have a direct impact on water quality and quantity for downstream users. All Iowans should **Think Downstream** and consider how they can help make Iowa's water safe for drinking and recreation.



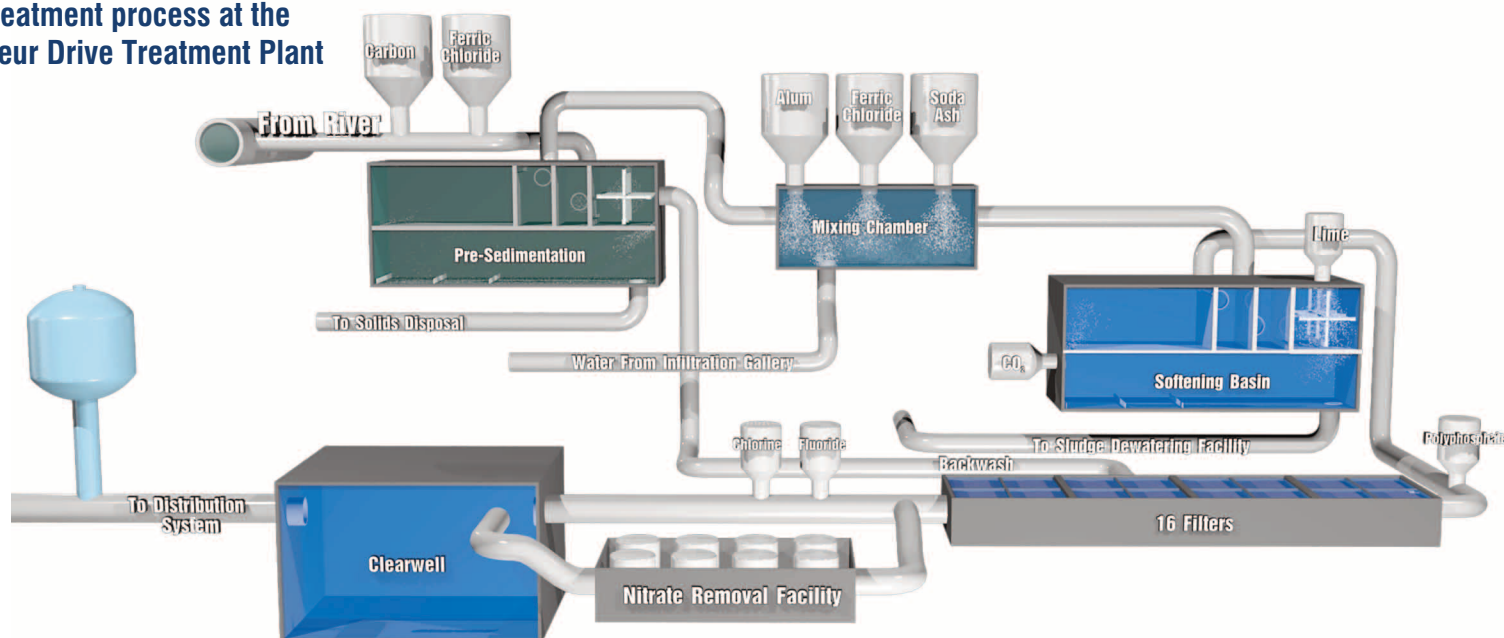
Des Moines Water Works (DMWW) operates three water treatment plants in central Iowa. Each treatment plant involves a multi-barrier approach to ensure the safety of your drinking water. This includes source water monitoring, riverbank filtration, treatment processes of softening, filtration and disinfection, as well as distribution system monitoring and maintenance.

The **L.D. McMullen Water Treatment Plant** at Maffitt Reservoir, located southwest of the metro area, treats up to 25 million gallons of water from six radial collector wells and one horizontal well along the Raccoon River, and serves customers in southwest Des Moines, parts of Warren Water District, Waukee, and parts of Clive, Urbandale and West Des Moines. The collection elements are located in the coarse sand and gravel formation beneath the river. The shallow groundwater receives natural filtration prior to entry into the wells.

**Saylorville Water Treatment Plant**, located in northern Polk County, serves water to residents north of Des Moines. This facility treats up to 10 million gallons of water from two radial collector wells along the Des Moines River and utilizes ultra-filtration and reverse osmosis to soften and treat the water.

All other areas in Des Moines Water Works' service area receive water from the **Fleur Drive Treatment Plant**. This plant treats up to 75 million gallons of water pumped from one of three sources: Raccoon River, Des Moines River and an Infiltration Gallery (a series of underground pipes located throughout Water Works Park adjacent to the Raccoon River).

## Treatment process at the Fleur Drive Treatment Plant



Once treated, 1,400 miles of underground pipe, 10,000 fire hydrants, 9,700 valves, 10 water storage tanks and 10 booster pumping stations distribute water to homes and businesses in Des Moines and surrounding communities

## WHAT DO WE TEST FOR?

Throughout the treatment process, DMWW's state-certified laboratory performs 100-150 tests each day to ensure the highest quality water is produced. An additional series of 50-60 daily tests on the untreated water sources allows laboratory staff to identify any necessary changes needed in the treatment process before the water enters the treatment plants.

DMWW monitors and tests for emerging and unregulated contaminants to stay ahead of potential health risks, including cyanotoxins produced by cyanobacteria, Per- and Poly-fluoroalkyl Substances (PFAS), neonicotinoids, and pharmaceutical and personal care products (PPCP).



The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring material and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or humans. Contaminants that may be present in source water include:

**Inorganic Contaminants** such as salts and metals, which can occur naturally or come from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

**Organic Chemicals** including synthetic and volatile organic chemicals, which are agriculture, industrial and petroleum process byproducts and can also come from gas stations, urban stormwater runoff and septic systems.

**Microorganisms** such as viruses and bacteria, which may come from agricultural livestock operations, sewage treatment plants, septic systems and wildlife.

**Pesticides and Herbicides** which may come from agriculture and urban stormwater runoff.

**Radioactive Contaminants** which can occur naturally or result from oil and gas production and mining activities.

## DEFINITIONS AND ABBREVIATIONS

**Action Level (AL)** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Coliform** Bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water (RTCR).

**E.Coli** Bacteria whose presence indicates that the water may be contaminated with human or animal wastes.

**Level Found** The highest amount found in the water or the average of all samples analyzed, depending on the regulation. If multiple samples were tested in 2019, the lowest and highest detected values are listed under Range of Detections.

**LRAA** Locational running annual average.

**mg/L** Milligrams per liter, or parts per million (ppm). Parts of contaminant per million parts of water. One part per million is equivalent to a single penny in ten thousand dollars.

**MCL** The maximum contaminant level, the highest level of a substance allowed in drinking water.

**MCLG** The MCL Goal, the level of a substance where there is no known or expected health risk. MCLGs allow for a margin of safety. MCLs are set as close to MCLGs as feasible using the best available treatment processes.

**NA** Not applicable.

**ND** Not detected.

**NTU** Nephelometric turbidity units.

**pCi/L** Picocuries per liter, a measure of radioactivity.

**RTCR** Revised Total Coliform Rule

**TT** Treatment Technique. Certain treatment processes are required to reduce the level of turbidity in the drinking water. Turbidity must not ever exceed 1 NTU, and must be less than 0.3 NTU 95% of the time.

**Turbidity** Turbidity is a measure of cloudiness of the water. It is monitored because it is a good indicator of the effectiveness of the filtration system.

**µg/L** Micrograms per liter, or parts per billion (ppb). Parts of contaminant per billion parts of water. One part per billion is equivalent to a single penny in ten million dollars.

2019 WATER QUALITY RESULTS

# Water Treatment Plant Monitoring

Before water can be delivered to your home, it must first be analyzed by certified laboratories at Des Moines Water Works’ Fleur Drive Treatment Plant and the State Hygienic Laboratory. Results for 2019 in this report include samples taken as water leaves Des Moines Water Works’ three treatment plants and from samples obtained from the various water distribution systems supplied with water by Des Moines Water Works.

2019 LAB RESULTS				Fleur Drive Treatment Plant			L.D. McMullen Water Treatment Plant			Saylorville Water Treatment Plant			
	UNITS	MCL	MCLG	YEAR TESTED	LEVEL FOUND	RANGE OF DETECTIONS	YEAR TESTED	LEVEL FOUND	RANGE OF DETECTIONS	YEAR TESTED	LEVEL FOUND	RANGE OF DETECTIONS	COMMON SOURCES OF CONTAMINANT
WATER CLARITY													
Turbidity	NTU	TT	N/A	2019	0.19	0.02-0.19	2019	0.84	0.02-0.84	2019	0.32	0.01-0.32	Soil runoff
ORGANIC SUBSTANCES													
Atrazine	µg/L	3	3	2019	0.10	N/A	2019	ND	N/A	2017	ND	N/A	Agrotoxin
Cis-1,2 Dichloroethylene	µg/L	70	70	2019	0.80	ND-0.80	2019	ND	N/A	2017	ND	N/A	Discharge from industrial chemical factories
INORGANIC SUBSTANCES													
Fluoride	mg/L	4	4	2019	0.84	0.14-0.84	2019	0.87	ND-0.87	2019	0.64	0.08-0.64	Additive for strong teeth; erosion of natural deposits; discharge from fertilizer factories Agrotoxin; leaching from septic tanks; sewage; erosion of natural deposits Erosion of natural deposits
Nitrate [as N]	mg/L	10	10	2019	6.78	1.31-6.78	2019	6.75	1.29-6.75	2019	0.82	0.54-0.82	
Sodium	mg/L	N/A	N/A	2019	15.02	N/A	2019	10.00	N/A	2019	16.10	N/A	
				YEAR TESTED	ANNUAL REMOVAL RATIO	MINIMUM REMOVAL REQUIREMENT	YEAR TESTED	ANNUAL REMOVAL RATIO	MINIMUM REMOVAL REQUIREMENT	YEAR TESTED	ANNUAL REMOVAL RATIO	MINIMUM REMOVAL REQUIREMENT	COMMON SOURCES OF CONTAMINANT
TREATMENT PLANT													
Total Organic Carbon	mg/L	TT	N/A	2019	2.99	1	2019	2.41	1	2019	2.90	1	Naturally present in the environment

**DES MOINES WATER WORKS** operates three Aquifer Storage and Recovery (ASR) wells and the **CITY OF ANKENY** operates two ASR wells. Treated drinking water is injected into wells during cold weather months, and recovered for use during warm-weather months to help limit the use of poor quality source water and meet customer demand. Testing data unique to this water can be seen on the chart below.

2019 ASR LAB RESULTS				Louise P. Moon ASR Well¹			L.D. McMullen ASR Well			Army Post Road ASR Well			Ankeny ASR Well 4			Ankeny ASR Well 6		
	UNITS	MCL	MCLG	YEAR TESTED	LEVEL FOUND	RANGE OF DETECTIONS	YEAR TESTED	LEVEL FOUND	RANGE OF DETECTIONS	YEAR TESTED	LEVEL FOUND	RANGE OF DETECTIONS	YEAR TESTED	LEVEL FOUND	RANGE OF DETECTIONS	YEAR TESTED	LEVEL FOUND	RANGE OF DETECTIONS
PARAMETER																		
Alpha Emitters	pCi/L	15	N/A	2018	1.40	N/A	2019	5.90	N/A	2019	7.80	1.90-7.80	2019	5.80	5.60-5.80	2019	10.40	N/A
Arsenic	µg/L	10	N/A	2019	ND	N/A	2019	ND	N/A	2019	2.00	1.00-2.00	2019	1.00	ND-1.00	2019	1.00	N/A
Atrazine	µg/L	3	3	2019	0.10	N/A	2019	ND	N/A	2019	ND	N/A	2019	ND	N/A	2019	ND	N/A
Combined Radium	pCi/L	5	0	2019	ND	N/A	2019	1.20	N/A	2019	1.40	ND-1.40	2019	1.10	N/A	2019	1.50	N/A
Fluoride	mg/L	4	4	2019	1.46	0.61-1.46	2019	0.87	0.45-0.87	2019	1.62	0.86-1.62	2019	1.10	0.43-1.10	2019	1.20	0.72-1.20
Nitrate [as N]	mg/L	10	10	2019	4.67	2.88-4.67	2019	6.53	0.94-6.53	2019	3.62	2.39-3.62	2019	3.00	0.46-3.00	2019	3.70	ND-3.70
Sodium	mg/L	N/A	N/A	2019	19.31	N/A	2019	11.78	N/A	2019	18.86	N/A	2019	39.00	14.00-39.00	2019	18.46	N/A
PARAMETER	COMMON SOURCES OF CONTAMINANT					PARAMETER	COMMON SOURCES OF CONTAMINANT					PARAMETER	COMMON SOURCES OF CONTAMINANT					
Alpha Emitters	Erosion of natural deposits					Combined Radium	Erosion of natural deposits					Nitrate [as N]	Agrotoxin; leaching from septic tanks; sewage;					
Arsenic	Erosion of natural deposits					Fluoride	Additive for strong teeth; erosion of natural						erosion of natural deposits					
Atrazine	Agrotoxin						deposits; discharge from fertilizer factories					Sodium	Erosion of natural deposits					

# Water Distribution System Monitoring

Once the water leaves Des Moines Water Works’ water treatment facilities, it is regularly monitored throughout the numerous distribution systems served by Des Moines Water Works for disinfectant, disinfection byproducts, bacteria, lead and copper. The table below shows the results of this monitoring.

2019 DISTRIBUTION RESULTS	Total Trihalomethanes (TTHM) (µg/L)		Haloacetic Acids (HAA5) (µg/L)		Lead (µg/L)			Copper (mg/L)			Coliform Bacteria (positive)		Chlorine Disinfectant (mg/L)	
	Byproducts of chlorination		Byproducts of chlorination		From plumbing corrosion			From plumbing corrosion			Naturally present in the environment		Added to prevent bacterial growth	
	MCL: 80 µg/L MCLG: no limit set		MCL: 60 µg/L MCLG: no limit set		90% of all samples must be below Action Level of 15 µg/L			90% of all samples must be below Action Level of 1.3 mg/L			Treatment Technique (TT)		Maximum limit for annual average: 4 mg/L	
SYSTEM	Level Found	Range of Detections	Level Found	Range of Detections	Year Tested	90% of test levels were less than	Range of Detections	Year Tested	90% of test levels were less than	Range of Detections	Monthly Samples	Positive Samples	Running Annual Average	Range
Des Moines*	51	33-62	17	8-25	2019	ND	ND	2019	ND	ND-0.031	151	1 <sup>1</sup>	1.10	0.12-2.05
Ankeny	39	23-58	12	8-13	2019	ND	ND	2019	0.031	ND-0.046	70	1 <sup>1</sup>	1.00	0.19-1.72
Bondurant	39	20-61	15	12-18	2018	2	ND-2	2018	0.014	ND-0.034	6	0	2.20	1.38-2.45
Clive	57	43-63	13	10-17	2019	ND	ND-14	2019	ND	ND	15	0	1.00	0.43-1.54
Cumming	47	32-61	10	7-12	2018	ND	ND	2018	0.050	0.020-0.080	1	0	0.70	0.24-1.01
East Dallas Water	31	NA	6	NA	2018	10	ND-10	2018	ND	ND	1	1 <sup>1</sup>	2.4	1.3-3.0
Earlham	23	NA	6	NA	2017	7	ND-13	2017	0.020	ND-0.050	2	0	2.20	1.96-2.54
Johnston	44	29-63	20	11-31	2019	1.6	ND-8	2019	0.179	ND-0.318	20	0	1.00	0.35-1.69
New Virginia	48	NA	9	NA	2019	ND	ND	2019	ND	ND	1	0	2.4	1.9-2.7
Norwalk	46	33-61	12	7-16	2019	ND	ND-13	2019	ND	ND-0.379	10	0	1.00	0.39-1.63
SE Polk Rural Water**	49	31-59	10	8-12	2018	ND	ND-20 <sup>2</sup>	2018	ND	ND-0.110	9	0	0.80	0.16-1.28
Urbandale	47	34-59	10	8-13	2018	ND	ND-10	2018	ND	ND	40	1 <sup>1,3</sup>	1.00	0.34-1.56
Warren Water District	37	27-53	10	ND-18	2017	ND	ND-10	2017	0.020	ND-0.060	20	2 <sup>4,5</sup>	2.6	ND-3.1
Waukee	55	36-71	11	6-17	2018	ND	ND	2018	ND	ND	20	1 <sup>1</sup>	0.90	0.37-1.36

\* Includes water supplied to Alleman, Berwick, Pleasant Hill, Unincorporated Polk County, and Windsor Heights \*\* Includes water supplied to Runnells and eastern portions of Pleasant Hill. ¹ Sample tested positive for coliform bacteria. Repeat samples indicated bacteria were not present, and the water was determined to be safe for consumption. ² One sample exceeded the AL of 15 ug/L. ³Sample tested positive for *E. Coli*. Repeat samples indicated bacteria were not present, and the water was determined to be safe for consumption. ⁴Sample tested positive for coliform bacteria and repeat samples were taken and they were positive. ⁵ During the past year this system was required to conduct a Level 1 assessment to determine the cause of bacteria in our distribution system. If a health concern is present, you will be notified.

# Unregulated Contaminants

The U.S. Environmental Protection Agency required some cities to take samples in 2019 for an assessment monitoring program for the Unregulated Contaminant Monitoring (UCMR). The EPA will review the findings of this nationwide assessment to determine if any new regulations are needed.

SOURCE ENTRY POINT								DISTRIBUTION SYSTEM					
	Manganese (µg/L)		Anatoxin-A (µg/L)		O-Toluidine (µg/L)		Quinoline (µg/L)			HAA6Br (µg/L)		HAA9 (µg/L)	
	Level Found	Range	Level Found	Range	Level Found	Range	Level Found	Range		Level Found	Range	Level Found	Range
Ankeny	2.81	0.43-2.81	0.07	ND-0.07	ND	N/A	ND	N/A	Ankeny	17.17	2.90-17.17	30.07	8.72-30.07
Clive	2.36	0.43-2.36	ND	N/A	0.015	ND-0.015	ND	N/A	Clive	8.45	5.03-8.45	17.32	6.76-17.32
DMWW	1.85	ND-1.85	0.26	ND-0.26	ND	N/A	ND	N/A	DMWW	9.51	4.86-9.51	21.32	10.07-21.32
Johnston	2.33	ND-2.33	N/A	N/A	ND	N/A	ND	N/A	Johnston	6.30	2.78-6.30	19.47	7.63-19.47
Urbandale	0.80	ND-0.80	N/A	N/A	0.009	ND-0.009	0.30	ND-0.30	Urbandale	8.18	4.83-8.18	19.15	8.68-19.15
Warren	2.00	0.44-2.00	N/A	N/A	ND	N/A	0.07	ND-0.07	Warren	9.98	5.12-9.98	18.39	7.62-18.39
Waukee	ND	N/A	ND	N/A	ND	N/A	ND	N/A	Waukee	13.20	7.13-13.20	19.69	12.76-19.69

# DRINKING WATER AND HEALTH INFORMATION

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care providers about drinking water. Information about contaminants and potential

## EPA Safe Drinking Water Hotline

(800) 426-4791 or <http://water.epa.gov/drink>

health effects can be obtained by contacting the **Safe Drinking Water Hotline**.

## NITRATE

Nitrate in drinking water at levels above 10 parts per million (ppm) is a health risk for infants less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. If you are caring for an infant, you should ask for advice from your healthcare provider. Nitrate levels may rise quickly for short periods of time because of groundwater conditions and agricultural activity. Des Moines Water Works uses a variety of strategies to keep the treated tap water below 10 ppm. These strategies include source water blending, and if necessary, removal of nitrate using a treatment process known as ion exchange. Ion exchange is an expensive water treatment technology used only in extraordinary situations when nitrate or other pollution is particularly threatening. Despite frequently elevated nitrate levels in the Raccoon and Des Moines Rivers, Des Moines Water Works' treated water has not exceeded the 10 ppm standard since nitrate removal was implemented in 1992.

## LEAD

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Des Moines Water Works minimizes the potential for exposure to lead in drinking water by following a corrosion control program approved by the Iowa Department of Natural Resources. Lead in drinking water is primarily from materials and components associated with private service lines and home plumbing. When your water has been sitting for several hours, you can further minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure are available from the Safe Drinking Water Hotline.

## *Cryptosporidium*

*Cryptosporidium* is a microbial pathogen found in surface water throughout the U.S. It finds its way into the watershed through animal and human wastes. Our monitoring indicates the presence of these organisms in our source water. Although filtration removes *Cryptosporidium*, the most commonly-used filtration methods cannot guarantee 100 percent removal. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of *Cryptosporidium* may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immuno-compromised people, infants and small children, and the elderly are at greater risk of developing life-threatening illness. We encourage immuno-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. *Cryptosporidium* must be ingested to cause disease, and it may be spread through means other than drinking water.

# SOURCE WATER ASSESSMENT

Des Moines Water Works obtains water from one or more surface waters. Surface water sources are susceptible to sources of contamination or pollution within the Raccoon and Des Moines River watersheds.

Surface Water Name	Susceptibility
Crystal Lake	High
Des Moines River	High
Maffitt Reservoir	High
Raccoon River	High

Water is also obtained from aquifers. The Alluvial Aquifer was determined to be highly susceptible to contaminations because the characteristics of the aquifer and overlying materials provide little protection from contamination at the land surface. The Alluvial wells will be highly susceptible to surface contamination such as leaking underground storage tanks, contaminant spills, and excess fertilizer application.

The Cambrian-Ordovician Aquifer was determined to have low susceptibility to contamination because the characteristics of the aquifer and overlying materials provide natural protection from contaminants at the land surface.

To obtain a copy of the Source Water Assessment, call (515) 283-8700 to request a printed copy.



# PUBLIC MEETING AND UTILITY CONTACT INFORMATION

Some public meetings have been moved to virtual formats. Check with the city/entity for the most up to date information.

## CITY OF ALLEMAN

### Public Meeting:

2<sup>nd</sup> Monday of the month at 7:00 pm  
Alleman City Council  
14000 NE 6<sup>th</sup> Street · Alleman, IA 50007

### Contact Information:

Des Moines Water Works Customer Service  
(515) 283-8700 · customerservice@dmww.com

## CITY OF ANKENY

### Public Meeting:

1<sup>st</sup> & 3<sup>rd</sup> Monday of each month at 5:30 pm  
Kirkendall Library  
1250 SW District Drive · Ankeny, IA 50023

### Contact Information:

Customer Service  
220 West 1<sup>st</sup> Street · Ankeny, IA 50023  
(515) 963-3565 · customerservice@ankenyiowa.gov

## BERWICK WATER ASSOCIATION

### Public Meeting:

Annual meeting and as needed  
5825 NE Berwick Drive · Berwick, IA 50032

### Contact Information:

Des Moines Water Works Customer Service  
(515) 283-8700 · customerservice@dmww.com

## CITY OF BONDURANT

### Public Meeting:

1<sup>st</sup> & 3<sup>rd</sup> Monday of each month at 6:00 pm  
Bondurant City Hall  
200 2<sup>nd</sup> Street NE · Bondurant, IA 50035

### Contact Information:

Patrick F. Collison  
(515) 971-6856 · pcollison@cityofbondurant.com

## CITY OF CLIVE

### Public Meeting:

2<sup>nd</sup> & 4<sup>th</sup> Thursday of each month at 6:00 pm  
Clive City Hall  
1900 NW 114<sup>th</sup> Street · Clive, IA 50325

### Contact Information:

Jeff May, Public Works Director  
2123 NW 111<sup>th</sup> Street · Clive, IA 50325  
(515) 223-6231 · jmay@cityofclive.com

## CITY OF CUMMING

### Public Meeting:

2<sup>nd</sup> & 4<sup>th</sup> Monday each month at 7:00 pm  
Cumming City Hall  
649 N 43<sup>rd</sup> Street · Cumming, IA 50061

### Contact Information:

Cumming City Hall  
(515) 981-9214 · deputycityclerk@cumming-iowa.com  
Des Moines Water Works Customer Service  
(515) 283-8700 · customerservice@dmww.com

## DES MOINES WATER WORKS

### Public Meeting:

4<sup>th</sup> Tuesday of each month at 3:30 pm  
Des Moines Water Works  
2201 George Flagg Parkway · Des Moines, IA 50321

### Contact Information:

Des Moines Water Works Customer Service  
(515) 283-8700 · customerservice@dmww.com

## CITY OF EARLHAM

### Public Meeting:

2<sup>nd</sup> Monday of each month at 7:00 pm  
Earlham City Hall  
140 South Chestnut Avenue · Earlham, IA 50072

### Contact Information:

Gary Coffman, Public Works Supervisor  
(515) 758-2281 · earlhamcityhall@mchsi.com

## CITY OF JOHNSTON

### Public Meeting:

1<sup>st</sup> & 3<sup>rd</sup> Monday of each month at 7:00 pm  
Johnston City Hall  
6221 Merle Hay Road · Johnston, IA 50131

### Contact Information:

Shane Kinsey  
6400 NW Beaver Drive · Johnston, IA 50131  
(515) 278-0822 · skinsey@cityofjohnston.com

## NEW VIRGINIA WATER WORKS

### Public Meeting:

1<sup>st</sup> Saturday of each month at 7:30 am  
Fire Station meeting room  
506 West Street · New Virginia, IA 50210

### Contact Information:

Brent Baughman, City Clerk  
(641) 449-3492 · cityclerk@newvirginia.com

## CITY OF NORWALK

### Public Meeting:

1<sup>st</sup> & 3<sup>rd</sup> Thursday of each month at 6:00 pm  
Norwalk City Hall  
705 North Avenue · Norwalk, IA 50211

### Contact Information:

Wayne Schwartz, P.E., Public Works Director  
(515) 981-9527 · wschwartz@norwalk.iowa.gov

## CITY OF PLEASANT HILL

### Public Meeting:

2<sup>nd</sup> & 4<sup>th</sup> Tuesday of each month at 6:00 pm  
Pleasant Hill City Hall  
5160 Maple Drive, Suite A · Pleasant Hill, IA 50317

### Contact Information:

Pleasant Hill Public Works  
(515) 262-9465  
Des Moines Water Works Customer Service  
(515) 283-8700 · customerservice@dmww.com

## CITY OF RUNNELLS

### Public Meeting:

2<sup>nd</sup> Tuesday of each month at 7:00 pm  
Community Center  
108 Brown Street · Runnells, IA 50237

### Contact Information:

Runnells City Hall  
(515) 966-2042  
Des Moines Water Works Customer Service  
(515) 283-8700 · customerservice@dmww.com

## URBANDALE WATER UTILITY

### Public Meeting:

Meets monthly · Call 278-3940 for information  
Urbandale Water Utility  
3720 86<sup>th</sup> Street · Urbandale, IA 50322

### Contact Information:

Dale Acheson, General Manager  
(515) 278-3940 · dacheson@urbandalewater.org

## WARREN WATER DISTRICT

### Public Meeting:

3<sup>rd</sup> Monday of each month at 6:00 or 7:00 pm, as posted  
Warren Water District  
1204 East 2<sup>nd</sup> Avenue · Indianola, IA 50125

### Contact Information:

Stan Ripperger, System Manager  
(515) 962-1200 · wwd@warrenwaterdistrict.com

## CITY OF WAUKEE

### Public Meeting:

1<sup>st</sup> & 3<sup>rd</sup> Monday each month at 5:30 pm  
Waukee City Hall  
230 W. Hickman Road · Waukee, IA 50263

### Contact Information:

Rudy Koester Public Works Director  
(515) 978-7920 · rkoester@waukee.org  
Waukee Utility Customer Service  
(515) 978-5502 · waukeeutilities@waukee.org

## CITY OF WINDSOR HEIGHTS

### Public Meeting:

1<sup>st</sup> & 3<sup>rd</sup> Monday each month at 6:00 pm  
Windsor Heights City Hall  
133 66<sup>th</sup> Street · Windsor Heights, IA 50324

### Contact Information:

Windsor Heights City Hall  
(515) 279-3662  
Des Moines Water Works Customer Service  
(515) 283-8700 · customerservice@dmww.com